

## Service Vendor Electrical Safety Summary

(Reference: PUB-3000, Chapter 8)

1. It is LBL policy to deenergize live parts of equipment before working on or near them. Energized service or maintenance work on equipment operating at >50V and >5mA, or <50V but >1,000W **IS GENERALLY NOT ALLOWED.**
  - ❖ NOTE: Lockout/Tagout requirements apply (per PUB-3000, Chapter 18)
2. Service vendor employees may be permitted to perform **limited diagnostic and testing work** on or near exposed energized circuits or components **only if it can be justified** to the LBL Contact Person that there is **no other way** to complete the service or maintenance task. Appropriately rated tools and meters, personal protective equipment (PPE) and safe work practices are required and this must be approved by the MSD EH&S Manager.
  - ❖ NOTE: Diagnostic and testing is limited to voltage, current or power measurements using appropriately rated meters. Energized electrical work involving physical manipulation of components or wiring **IS NOT ALLOWED.**
3. **Approval from the LBL contact person and MSD EH&S Manager is required before diagnostic and testing work on or near energized electrical circuits or components.**
  - ❖ NOTE: Obtain guidance from the LBL Contact Person who will coordinate review by the EH&S Manager.
4. All service vendor employees who work on or near hazardous energized electrical circuits or components must be electrically qualified and authorized by their employer prior to performing such work.
5. Safety related work practices and procedures for service vendor employees who work on or near exposed energized circuits or components must be followed in accordance with the requirements of NFPA 70E, "Standard for Electrical Safety in the Workplace."
  - Tools and test equipment, appropriate to the voltage level encountered, shall be used.
  - PPE, appropriate to the voltage level and the arc flash energy encountered, shall be worn.
  - Barricades, appropriate to the voltage level encountered, shall be provided.
  - A "Two-Person" or "Safety Watch" may be required.

*For Service Vendor Personnel:*

I understand these requirements as they apply to my work at LBL:		
Print Name	Signature	Date
Print Name	Signature	Date

**If technician refuses to sign but verbally agrees to follow procedure, sign below:**

\_\_\_\_\_  
MSD Employee Signature

\_\_\_\_\_  
Date